

IN THE SPECIFICATION:

Please amend the paragraphs on page 4, lines 2-22 as follows:

Accordingly, the present invention consists in a system for delivering a supply of gases to a patient comprising:

a gases supply ~~means~~ providing a flow of gases,

a humidifier ~~humidification means~~ receiving said flow of gases from said gases supply ~~means~~ and capable of humidifying said flow of gases up to a level of humidity prior to delivery to said patient,

a conduit ~~transportation means~~ conveying said flow of gases from said humidifier ~~humidification means~~ to said patient, and

a sensor ~~sensing means~~ to sense the humidity, temperature or ~~other attributes~~ flow rate of said flow of said gases ~~flow~~, said sensor ~~sensing means~~ contained within a housing that is in use ~~being~~ releasably coupled in line between said humidifier ~~humidification means~~ and said conduit ~~transportation means~~, and

a filter material such that said sensor is exposed to said flow of gases through said filter material.

In a second aspect the present invention consists in a sensing device ~~means~~ to sense humidity, temperature or ~~other attributes~~ flow rate of a flow of a gases ~~flow~~ after said flow of gases have been humidified by a humidifier and providing feedback to a controller which controls said humidifier, said sensing device ~~means~~ comprising:

a cartridge or open tubular section,

a sensor, and

a filter material ~~breathable means,~~

wherein said cartridge or open tubular section is coupled to said sensor, such that said sensor is exposed to said flow of gases flow through said ~~section of conduit by way of said~~ ~~breathable means~~ cartridge or open tubular section through said filter material.

Please amend the paragraph starting on page 6, line 23 and ending on page 7, line 5 as follows:

With reference to FIG. 1 a humidified positive pressure ventilation system is shown that may utilise the sensing means of the present invention. A patient 1 is receiving humidified and pressurised gases through a nasal mask 2 connected to a humidified gases transportation means or inspiratory conduit 3. It should be understood that delivery systems could also be VPAP (Variable Positive Airway Pressure) and BiPAP (Bi-level Positive Airway Pressure) or numerous other forms of respiratory therapy. The inspiratory conduit 3 is connected to the outlet 4 of a humidification chamber 5, which contains a volume of water 6. The inspiratory conduit 3 may contain heating means or heater wires (not shown), which heat the walls of the conduit to reduce condensation of humidified gases within the conduit. The humidification chamber 5 ~~chamber 6~~ is preferably formed from a plastics material and may have a highly heat conductive base (for example an aluminium base) which is in direct contact with a heater plate 7 of humidifier 8. The humidifier 8 is provided with control means or electronic controller 9 which may comprise a microprocessor based controller executing computer software commands stored in associated memory.